Activity							
Number	Action	Current Status	2005	2006	Outcome		
A. Standa	A. Standardization and enhancement of bycatch reporting methodologies, including data collection and monitoring						
A1	Investigate baseline logbook and/or observer program in the Bluefin Tuna Purse Seine fishery.	Inrograme to review	Implement recommendations if any, dependent on funding.		Evaluate and characterize extent of bycatch in fishery.		
A2	Investigate pilot observer study in Harpoon fishery.	Inrograme to review	Implement recommendations if any, dependent on funding.		Evaluate and characterize extent of bycatch in fishery.		
А3	Evaluate (HMS) headboat mandatory observer coverage & baseline program.	Evaluating current FHS methodology & feasibility for HMS fisheries; compare to LPS observer option & past data collection.	Implement recommendations if any, dependent on funding.		Evaluate and characterize extent of bycatch in fishery.		
A4	Investigate bycatch-related data collection through the Large Pelagics Survey (LPS).	Task to LPS ad hoc review committee.	Implement new question(s) to survey instrument if recommended.		Evaluate and characterize extent of bycatch in fishery.		
A5	Evaluate trip vs set logbook reporting differences (e.g., snapper/grouper trip forms vs pelagic logbook set forms).	No action.	Discuss with SERO/SEFSC & NERO/NEFSC how to accomplish & responsibilities.	Analyze data.	Evaluate differences in bycatch estimates produced by each method.		
A6	Increase observer coverage in pelagic longline (PLL), bottom longline (BLL), and shark gillnet fisheries.	Activity scheduled for evaluation & implementation for 2005 dependent on funding.	Implement as funding allows.	Continue implementation as funding allows.	Enhance bycatch estimates.		
A7	Promote charterboat voluntary observer coverage & pilot program.	Activity scheduled for evaluation & implementation for 2005 dependent on funding.	Implement as funding allows.	Continue implementation as funding allows.	Enhance bycatch estimates.		

C1	Implement Amendment 1 (Shark Amendment) final measures (bottom longline time-area closure, VMS, line clippers, dipnets, de-hooking devices).	Final rule published Dec. 24, 2003 (68 FR 74746). VMS implemented on Nov 15, 2004 (69 FR51010).	Implementation ongoing; collect data to evaluate effectiveness of new measures; implement requirements for dehooking devices.	Continue data collection; begin evaluation of effectiveness of new measures.	Determine effectiveness of management measures in reducing bycatch.	
C. Possible new bycatch management measures on a fishery-by-fishery basis						
В3	Increase research on role of apex predators in structuring marine ecosystems.	Coastspan research; explore increased funding & possible new sources?	Continue funding Coastspan research; explore increased funding & possible new sources?	Continue funding Coastspan research; explore increased funding & possible new sources?	Develop an ecosystem model to describe the role of apex predators (sharks).	
B2	Continue research on post-release mortality of HMS.	mortality research projects	Continue funding release mortality research projects as funding allows; evaluate data.	Continue funding release mortality research projects as funding allows; evaluate data.	Provide better estimates of bycatch/release mortality in HMS fisheries.	
B1	Investigate fishing protocols/gear modifications (artificial bait, circle hooks, etc) to reduce bycatch and bycatch mortality (non-sea turtle) in bottom longline, handgear, and pelagic longline fisheries.	Analyzing data from NED experimental fishery.	Planning discussions with various NOAA components to determine range and scope of additional reseach to be conducted.	Begin implementation of research projects as funding allows.	Promote sustainable fisheries through reduction of bycatch; export technology to other domestic and international fisheries.	
B. Resear	ch needs					
A9	Pursue Tuna General and HMS Angling category bycatch data collection program.	programs to review	Discuss with SERO/SEFSC & NERO/NEFSC how to accomplish & responsibilities.	Implement as funding allows.	Evaluate and characterize extent of bycatch in fishery.	
A8	Increase sample sizes for MRFSS For-Hire/LPS Headboat survey.		Implement as funding allows; pursue other potential resources.	Implement as funding allows; pursue other potential resources.	Increase data collection, evaluate extent of bycatch in fishery.	

C2	Continue analyses of time-area closure effectiveness and investigate new or modified measures as appropriate.	Annual review included in SAFE Report; further analyses planned for development of Amendment 2 to the FMP for Atlantic Tunas, Swordfish, and Sharks.	or modified measures as	Annual review to be included in SAFE Report; Amendment 2 implementation scheduled.	Determine effectiveness of time/area closures in reducing bycatch in HMS fisheries.
C3	Evaluate applicability of bycatch reduction measures from Northeast Distant experimental fishery to the rest of the U.S. Atlantic pelagic longline fleet, other U.S. longline fleets, and on an international basis.	Implemented bycatch reduction measures throughout U.S. Atlantic PLL fleet; final rule published July 6, 2004 (69 FR 40734).	Evaluate applicability to other domestic fisheries such as the bottom longline fishery; promote international cooperation.	Implement measures in other domestic fisheries if warranted; continue to promote international cooperation.	Reduce bycatch and/or minimize bycatch mortality in other fisheries.
(Investigate methods to reduce overcapacity.	Activity scheduled for evaluation & implementation for 2005 dependent on funding.	Develop alternatives for reducing overcapacity.	Evaluate and/or implement methods to reduce overcapacity.	Reduce overall effort in fisheries in order to minimize bycatch and bycatch mortality.
C5	Implement new or modified bycatch management measures as appropriate.	Activity scheduled for evaluation & implementation for 2005 dependent on funding.	Ongoing activity based on evaluation of data.	Ongoing activity based on evaluation of data.	Reduce bycatch and/or minimize bycatch mortality in HMS fisheries.
D. Educa	tion and outreach efforts				
	Develop handling & release techniques brochure.	Developed and printed brochures; distributed to permit holders in First Quarter FY05.	Continue distribution of brochures as necessary.	Continue distribution of brochures as necessary.	Provide regulatory requirements for handling and release of bycatch species.
D2	Put all bycatch-related regulations, technology information, and related information on the NOAA Fisheries HMS bycatch website.	Ongoing activity	Ongoing activity	Ongoing activity	Provide bycatch-related information and materials to fishermen and public.
D3	Prepare materials for trade shows and conferences for distribution.	Developed and distributed turtle release placards, brochures, protocols and video.	Develop and distribute new materials as needed; translate into additional languages; revise as needed.	Develop and distribute materials as needed.	Increase public understanding of bycatch issues and development/support for cooperative solutions to bycatch issues.

D4	identification guide to fishermen,		Continue to publicize availability of ID guide.	availability of ID guide	Enhance ability of fishermen, dealers, and the general public to correctly ID HMS species.
1 115	1. ,	along the Atlantic Coast and Gulf	for new workshops during	conduct workshops as	Share technology information on fishing protocols/gear modifications to reduce bycatch and bycatch mortality.
D6	Attend trade shows & conferences	& implementation for 2005	l	Attend trade shows & conferences; distribute outreach materials.	Increase communication with constituents; further goal of reducing bycatch while developing sustainable fisheries.